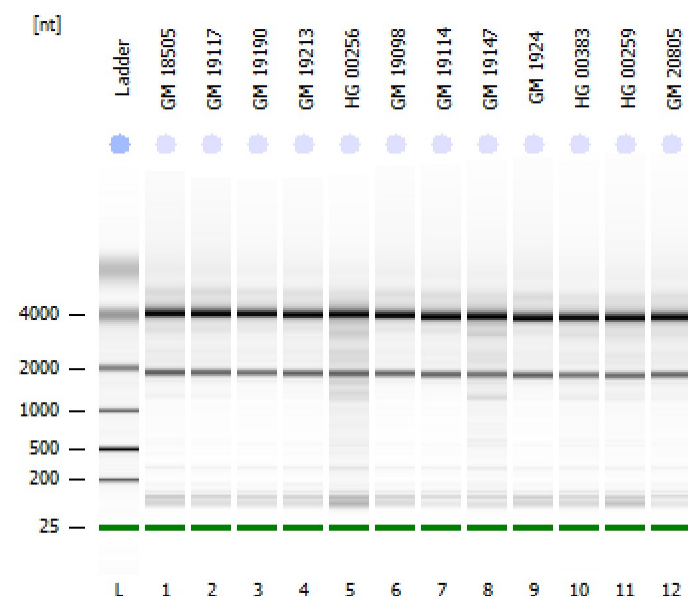


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_15-41-55.xad

Created: 10/21/2011 3:41:55 PM
Modified: 10/21/2011 4:04:59 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537

Firmware: C.01.069

Serial#: DE04105537

Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

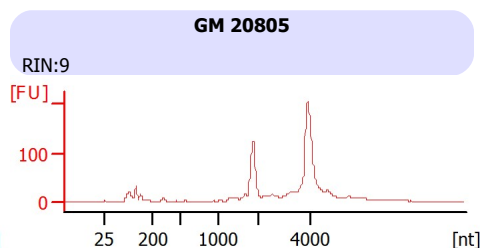
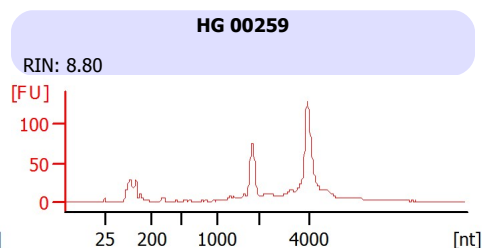
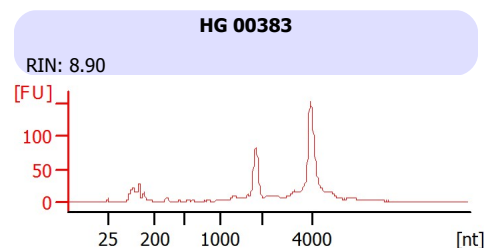
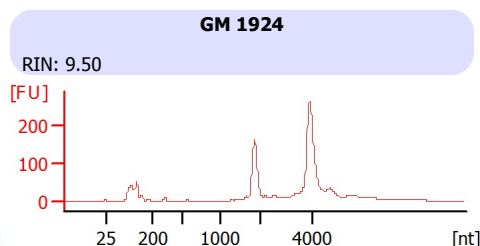
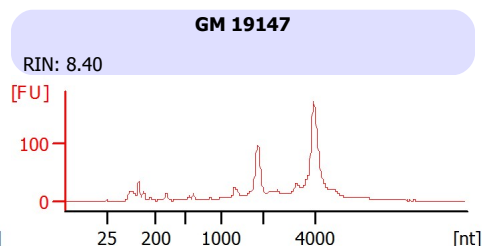
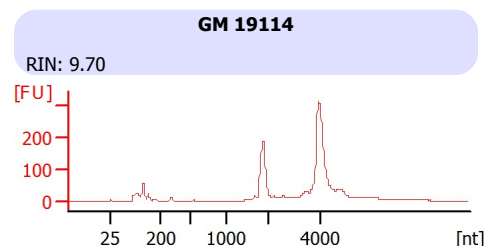
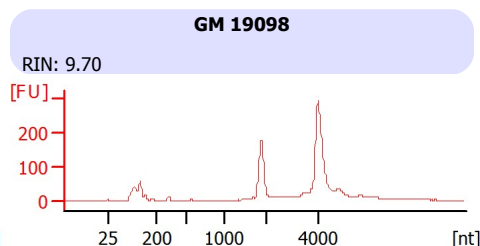
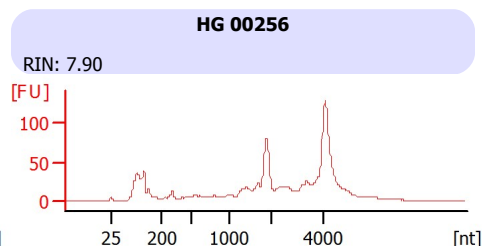
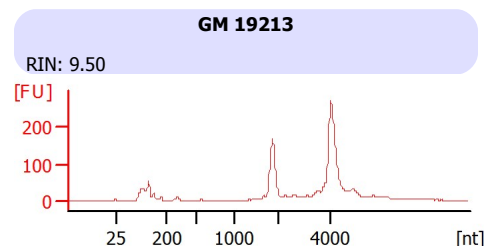
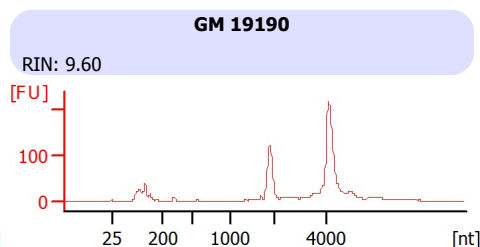
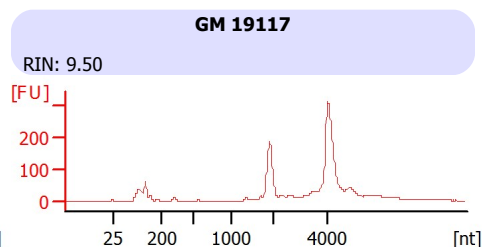
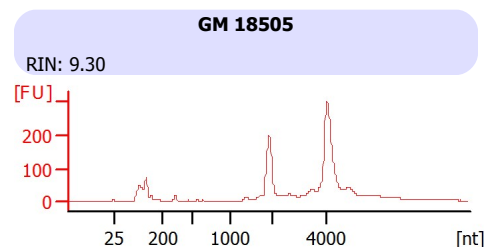
© Copyright 2003 - 2009 Agilent Technologies, Inc.

Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_15-41-55.xad

Created: 10/21/2011 3:41:55 PM
Modified: 10/21/2011 4:04:59 PM

Electrophoresis File Run Summary (Chip Summary)

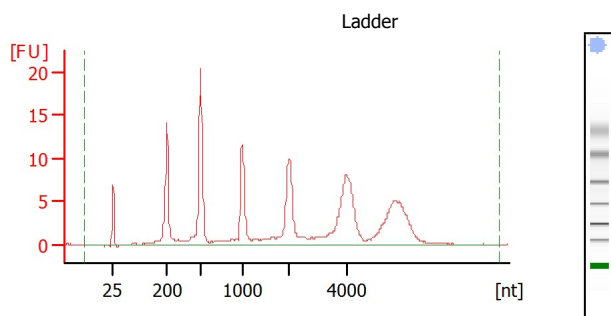
Sample Name	Sample Comment	Status	Result Label	Result Color
GM 18505		✓	RIN: 9.30	
GM 19117		✓	RIN: 9.50	
GM 19190		✓	RIN: 9.60	
GM 19213		✓	RIN: 9.50	
HG 00256		✓	RIN: 7.90	
GM 19098		✓	RIN: 9.70	
GM 19114		✓	RIN: 9.70	
GM 19147		✓	RIN: 8.40	
GM 1924		✓	RIN: 9.50	
HG 00383		✓	RIN: 8.90	
HG 00259		✓	RIN: 8.80	
GM 20805		✓	RIN:9	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_15-41-55.xad

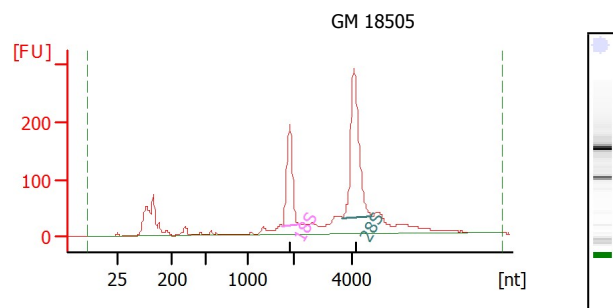
Created: 10/21/2011 3:41:55 PM
 Modified: 10/21/2011 4:04:59 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 186.3
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

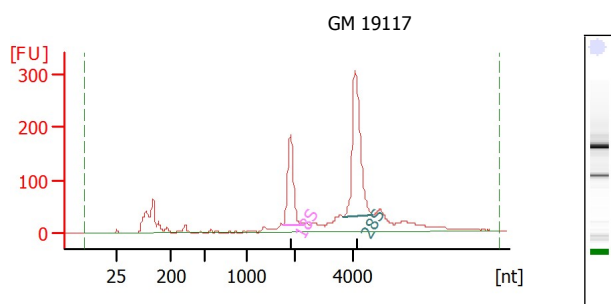


Overall Results for sample 1 : GM 18505

RNA Area: 2,183.1
 RNA Concentration: 1,758 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 9.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.30

Fragment table for sample 1 : GM 18505

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,754	2,177	320.1	14.7
28S	3,671	4,701	564.8	25.9

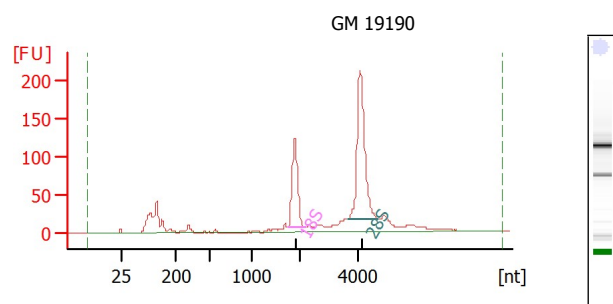


Overall Results for sample 2 : GM 19117

RNA Area: 2,037.8
 RNA Concentration: 1,641 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.50

Fragment table for sample 2 : GM 19117

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,751	2,168	316.3	15.5
28S	3,660	4,664	585.5	28.7



Overall Results for sample 3 : GM 19190

RNA Area: 1,254.7
 RNA Concentration: 1,010 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

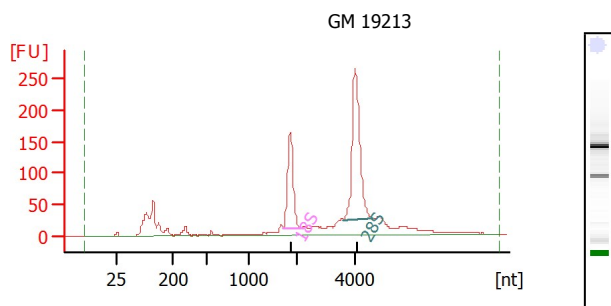
Fragment table for sample 3 : GM 19190

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,745	2,184	208.2	16.6
28S	3,641	4,684	389.2	31.0

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_15-41-55.xad

Created: 10/21/2011 3:41:55 PM
 Modified: 10/21/2011 4:04:59 PM

Electropherogram Summary Continued ...

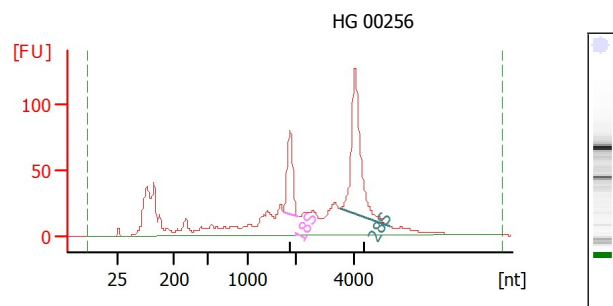


Overall Results for sample 4 : GM 19213

RNA Area: 1,708.7
 RNA Concentration: 1,376 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 9.5 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.50

Fragment table for sample 4 : GM 19213

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,735	2,140	279.7	16.4
28S	3,629	4,631	490.0	28.7

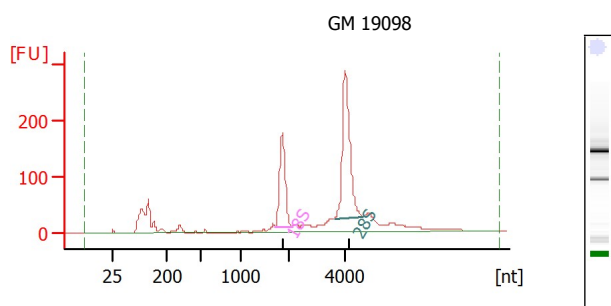


Overall Results for sample 5 : HG 00256

RNA Area: 1,401.8
 RNA Concentration: 1,129 ng/μl
 rRNA Ratio [28s / 18s]: 2.4
 RNA Integrity Number (RIN): 7.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.90

Fragment table for sample 5 : HG 00256

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,738	2,093	111.3	7.9
28S	3,537	5,255	271.9	19.4

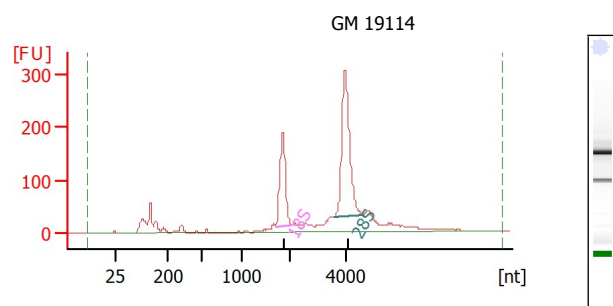


Overall Results for sample 6 : GM 19098

RNA Area: 1,857.3
 RNA Concentration: 1,495 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 9.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.70

Fragment table for sample 6 : GM 19098

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,730	2,144	301.9	16.3
28S	3,608	4,617	538.7	29.0



Overall Results for sample 7 : GM 19114

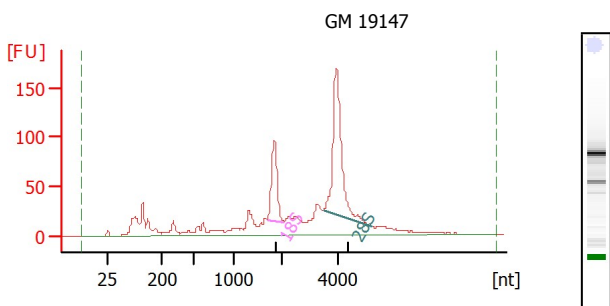
RNA Area: 1,982.7
 RNA Concentration: 1,596 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 9.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.70

Fragment table for sample 7 : GM 19114

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	2,098	323.1	16.3
28S	3,568	4,597	594.6	30.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_15-41-55.xad

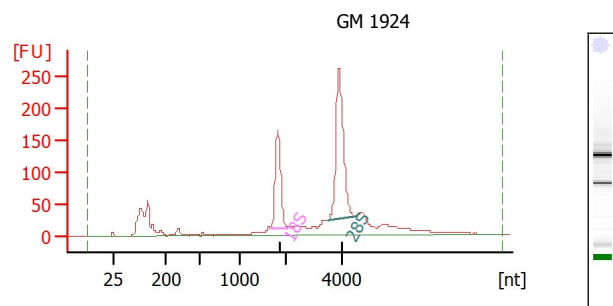
Created: 10/21/2011 3:41:55 PM
Modified: 10/21/2011 4:04:59 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : GM 19147**

RNA Area: 1,483.7
RNA Concentration: 1,195 ng/μl
rRNA Ratio [28s / 18s]: 2.5
RNA Integrity Number (RIN): 8.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.40

Fragment table for sample 8 : GM 19147

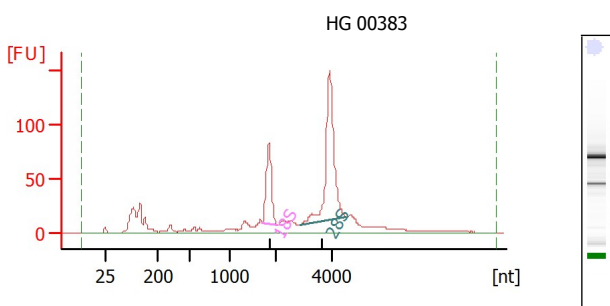
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,696	2,125	144.2	9.7
28S	3,500	5,201	356.3	24.0

**Overall Results for sample 9 : GM 1924**

RNA Area: 1,802.6
RNA Concentration: 1,451 ng/μl
rRNA Ratio [28s / 18s]: 1.8
RNA Integrity Number (RIN): 9.5 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.50

Fragment table for sample 9 : GM 1924

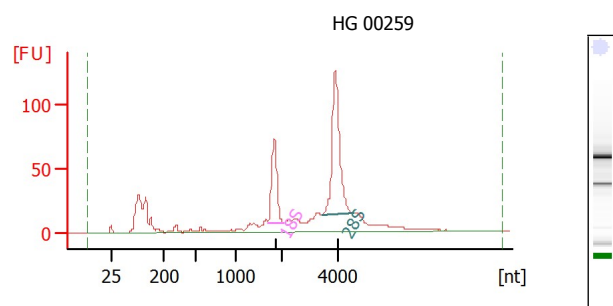
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,693	2,078	279.7	15.5
28S	3,519	4,485	496.3	27.5

**Overall Results for sample 10 : HG 00383**

RNA Area: 1,070.5
RNA Concentration: 862 ng/μl
rRNA Ratio [28s / 18s]: 2.4
RNA Integrity Number (RIN): 8.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.90

Fragment table for sample 10 : HG 00383

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,696	2,073	129.3	12.1
28S	2,853	4,502	308.4	28.8

**Overall Results for sample 11 : HG 00259**

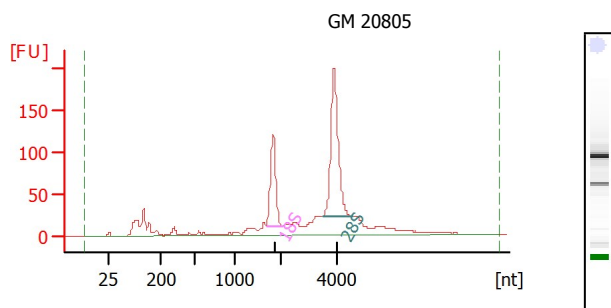
RNA Area: 982.3
RNA Concentration: 791 ng/μl
rRNA Ratio [28s / 18s]: 2.0
RNA Integrity Number (RIN): 8.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.80

Fragment table for sample 11 : HG 00259

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,687	2,058	116.2	11.8
28S	3,408	4,532	233.5	23.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-21_15-41-55.xad

Created: 10/21/2011 3:41:55 PM
Modified: 10/21/2011 4:04:59 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : GM 20805**

RNA Area: 1,391.4
RNA Concentration: 1,120 ng/μl
rRNA Ratio [28s / 18s]: 1.9
RNA Integrity Number (RIN): 9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN:9

Fragment table for sample 12 : GM 20805

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,707	2,075	194.2	14.0
28S	3,525	4,587	370.1	26.6